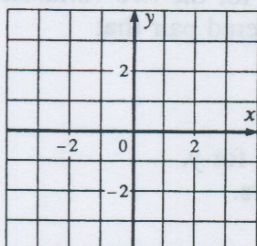


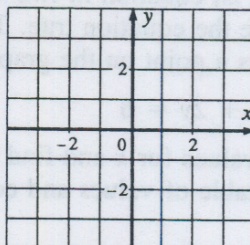
Graphing Equations

Graph each equation.

1. $y = 2x$

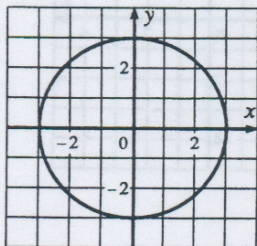


2. $-2x + 4y = 4$

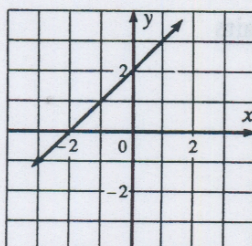


Determine which graphs represent y as a function of x .

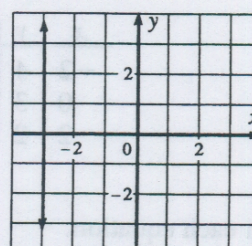
3.



4.



5.



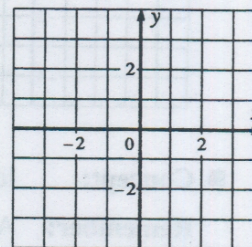
Determine which of the following are linear equations.

6. $2x - 4y = -12$ _____

7. $y = 6x^2 + 2$ _____

Application

8. **Cost Analysis** The cost of having a report typed is related to the number of pages typed by the equation $y = 2x + 1$, where x is the number of pages typed and y is the cost in dollars. Graph this linear equation.



MIXED PRACTICE

Write a rule for each relation and state its domain and range.

9. $\{(-2, 0), (2, 4), (3, 5)\}$ _____

10. $\{(-2, 8), (0, 0), (2, -8), (1, -4)\}$ _____